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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

3100 Port of Benton Blvd • Richland, WA 99354 • (509) 372-7950

September 11, 2007

Ms. Shirley J. Olinger, Acting Manager
Office of River Protection
United States Department of Energy
P.O. Box 450, MSIN: H6-60
Richland, Washington 99352

Mr. William S. Elkins, Project Director
Bechtel National, Inc.
2435 Stevens Center Place, MSIN: H4-02
Richland, Washington 99354

RECEIVED
SEP 17 2007
EDMC

Re: Submittal of Hanford Facility RCRA Permit Modification Notification Form 24590-LAW-PCN-ENV-07-005; Class 1 Modification to the Hanford Facility Dangerous Waste and Resource Conservation and Recovery Act (RCRA) Permit for the Treatment, Storage, and Disposal of Dangerous Waste, Part III, Operating Unit 10 (Waste Treatment and Immobilization Plant), WA7890008967

Dear Ms. Olinger and Mr. Elkins:

The Department of Ecology approves the referenced Class 1 Modification submitted August 23, 2007. The approved Hanford Facility RCRA Permit Modification Notification Form is enclosed.

Modification 24590-LAW-PCN-ENV-07-005 provides the updated process flow diagram (24590-LAW-M5-V17T-P0010, Revision 2) for the Low Activity Waste Ammonia and Secondary Offgas System.

The parties agree that during the transition period from permit drawings to engineering source drawings, items not requiring an installation inspection or inclusion in the Independent Qualified Registered Professional Engineer report may be shown in phantom. Ecology is approving the design changes identified in the Permittees' submittal. However, decisions regarding the regulation of items shown in phantom will be made at a later date. At the end of the transition period, permit submittals will contain engineering source documents and will be incorporated into the permit as described in Ecology Publication # 07-05-006 (www.ecy.wa.gov/biblio/nwp.html).



Ms. Olinger and Mr. Elkins
September 11, 2007
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If there are any questions, contact me at 509-372-7882 or Tracy Gao at 509-372-7901.

Sincerely,



Brenda Becker-Khaleel
WTP Permit Writer
Nuclear Waste Program

aah/jc
Enclosure

cc: See next page

cc electronic w/enc:

John Eschenberg, USDOE
Lori Huffman, USDOE
Tony McKarns, USDOE
Gae Neath, USDOE
Don Sommer, USDOE
William Taylor, USDOE
Brad Erlandson, BNI
Peggy Fisher, BNI
Stan Hill, BNI
Dennis Klein, BNI
Sandi Murdock, BNI
Phil Peistrup, WGI

cc w/enc:

4-0-8
Administrative Record: Tank Waste Treatment Requirements
Environmental Portal
USDOE-ORP Correspondence Control

Quarter Ending September 30,
2007

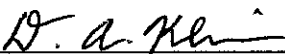
24590-LAW-PCN-ENV-07-005

Hanford Facility RCRA Permit Modification Notification Form**Part III, Operating Unit 10****Waste Treatment and Immobilization Plant**

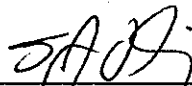
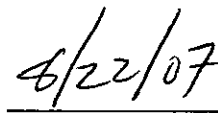
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Page 2 of 2: Hanford Facility RCRA Permit, Operating Unit 10, Waste Treatment and Immobilization Plant
Update LAW Vitrification Building Process Flow Diagram - LAW Vitrification Ammonia and Secondary Offgas
System (24590-LAW-M5-V17T-P0010) in Appendix 9.1 of the Dangerous Waste Permit

Submitted by Co-Operator:


D. A. Klein
Date

Reviewed by ORP Program Office:


S. J. Olinger
Date

Quarter Ending September 30,
2007

24590-LAW-PCN-ENV-07-005

Hanford Facility RCRA Permit Modification Notification Form

Unit:

Waste Treatment and Immobilization Plant

Permit Part & Chapter:

Part III, Operating Unit 10

Description of Modification:

The purpose of this Class 1 modification is to update the Process Flow (PFD) for the LAW Ammonia and Secondary Offgas System (24590-LAW-M5-V17T-P0010). The following permit PFD is being submitted to replace the PFD currently in Appendix 9.1.

Appendix 9.1

Replace:	24590-LAW-M5-V17T-P0010, Rev. 0	With:	24590-LAW-M5-V17T-P0010, Rev. 2
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The referenced PFD is a complete revisions. It incorporates changes provided in applicable document change forms (e.g., DCN, SCN, SDDR, FCN, FCR, etc.) and changes associated with the resolution to comments on change documents since the issuance of the last revision of the permitted drawing. This modification requests Ecology approval and incorporation into the permit, the specific changes to these P&IDs that are indicated by note 14, clouds, and revision triangles. Revisions are the result of ongoing design changes. The following identifies the significant types of changes on the attached drawings.

- Revised numbering and nomenclature for Ammonia Product Storage Vessels (AMR) throughout the drawing
- Corrected document number for "Process Flow Diagram Legend and Symbols" in the References section.
- Added flow indicators to the HEPA configuration.
- Revised numbering of LAW Secondary Offgas Vessel Vent Process System (LVP) HEPA filters.
- Revised offsheet connector labels
- Revised ammonia vaporization heater plant item numbers

The following is a list of outstanding change documents that have not been incorporated into this modification:
None

WAC 173-303-830 Modification Class: ^{1 2}

Please mark the Modification Class:

Class 1

Class ¹1

Class 2

Class 3

x

Enter Relevant WAC 173-303-830, Appendix I Modification citation number:

A.1. & A.3.

Enter wording of WAC 173-303-830, Appendix I Modification citation:

A.1. Administrative and informational changes

A.3. Equipment replacement or upgrading with functionally equivalent components (e.g., pipes, valves, pumps, conveyors, controls)

Modification Approved: ☒ Yes ☐ No (state reason for denial)

Reason for denial:

Reviewed by Ecology:

B. Becker-Khaleel

B. Becker-Khaleel

9/11/07

Date

¹ Class 1 modifications requiring prior Agency approval.

² If the proposed modification does not match any modification listed in WAC 173-303-830 Appendix I, then the proposed modification should automatically be given a Class 3 status. This status may be maintained by the Department of Ecology, or down graded to a Class '1, if applicable.